Human Epidermal Receptor 2 (HER2)

UNIVERSITY OF LIVERPOOL

Cancer Breast

Question For a patient with breast cancer, will the tumour respond to drugs that specifically target the HER2 protein?

Benefits A fast alternative to immunohistochemical (IHC) staining, which gives HER2 scores of 0 to 1+ (HER2–), 2+ (borderline) or 3+ (HER2+)

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	Total	*HER2−*	*HER2+*	*Validation*
# Patients	14	7	7	–
# Spectra (K)	3500	1750	1750	–

Result (AUC) 86%

Publication(s) –

Wavenumbers

DNA/RNA			*Amide III*		*Amide II*	*Amide I*	MLA v2.1